

Disclaimer:

This English translation is produced by machine translation and may contain errors. The JPO, the INPI, and those who drafted this document in the original language are not responsible for the result of the translation.

Notes:

1. Untranslatable words are replaced with asterisks (****).
2. Texts in the figures are not translated and shown as it is.

Translated: 23:29:42 JST 10/18/2007

Dictionary: Last updated 10/12/2007 / Priority:

FULL CONTENTS

[Claim(s)]

[Claim 1] the skin containing 2 to 30weight % of polyhydric alcohol, and 0.05 to 15weight % of a thickener -- city water -- [a sex cosmetic] the skin characterized by adding the water emulsion which contains a bridge construction silicone particle with an average particle diameter of 0.05-100 micrometers in an oil drop with an average particle diameter of 0.1-500 micrometers -- city water -- a sex cosmetic.

[Claim 2] The water cosmetic for the skins according to claim 1 characterized by polyhydric alcohol being at least one sort chosen from glycerin, propylene glycol, butylene glycol, and the group that consists of sorbitol.

[Claim 3] The water cosmetic for the skins according to claim 1 characterized by a thickener being a water-soluble high molecular compound or the Mon Moliro night system powder.

[Claim 4] the amount of addition of water emulsion -- as the sum total weight of the oil in this emulsion, and bridge construction silicone particles -- the skin -- city water -- the skin according to claim 1 characterized by being the quantity used as 0.2 to 75 weight % in a sex cosmetic -- city water -- a sex cosmetic.

[Detailed Description of the Invention]

[0001]

[Field of the Invention] this invention -- the skin -- city water -- at the time of use, there is few feeling of stickiness in detail about a sex cosmetic, and **** is light -- after use -- in the least -- admiration and the skin in which admiration and a feeling of a finger slide are excellent in gently, and storage stability is excellent -- city water -- it is related with a sex cosmetic.

[0002]

[Description of the Prior Art] The water emulsion which contains a bridge construction silicone particle with an average particle diameter of 0.05-100 micrometers in an oil drop with an average particle diameter of 0.1-500 micrometers is added to a cosmetic at JP,2000-281523,A. Although it is proposed that oil and bridge construction silicone particles can be uniformly distributed in this cosmetic, and the feel in a finger or skin, growth, and a feeling of use can obtain a good cosmetic the skin containing polyhydric alcohol and a thickener -- city water -- in the sex cosmetic, even if it added the above-mentioned water emulsion, the feeling of use was not good.

[0003] To moreover, the aqueous phase which contains a thickener in JP,H1-250305,A. Although the cosmetic which distributed the silicone constituent which consists of organopolysiloxane resin and hypoviscosity silicone oil in the shape of a small ball was proposed, this silicone constituent could not be distributed uniformly and that feeling of use was not good.

[0004]

[Problem(s) to be Solved by the Invention] the skin on which this invention persons contain polyhydric alcohol and a thickener -- city water -- as a result of examining raising the feeling of use of a sex cosmetic wholeheartedly When adding the water emulsion which contains a bridge construction silicone particle with an average particle diameter of 0.05-100 micrometers in an oil drop with an average particle diameter of 0.1-500 micrometers to the specific water cosmetic for the skins, it found out that a feeling of use improved remarkably to it, and it was reached at this invention.

[0005] namely, -- at the time of use, the purpose of this invention has few feeling of stickiness, and its **** is light -- after use -- in the least -- admiration and the skin in which admiration and a feeling of a finger slide are excellent in gently, and storage stability is excellent -- city water -- it is in offering a sex cosmetic.

[0006]

[Means for Solving the Problem] the skin of this invention -- city water -- the skin on which a sex cosmetic contains 2 to 30weight % of polyhydric alcohol, and 0.05 to 15weight % of a thickener -- city water -- [a sex

cosmetic] It is characterized by adding the water emulsion which contains a bridge construction silicone particle with an average particle diameter of 0.05–100 micrometers in an oil drop with an average particle diameter of 0.1–500 micrometers.

[0007]

[Embodiment of the Invention] The water cosmetic for the skins of this invention is explained in detail. the skin containing polyhydric alcohol and a thickener -- city water -- as a sex cosmetic, base makeup cosmetic; sunscreen cosmetics, such as basic cosmetic; foundations, such as face toilet, cream, and a milky lotion, are mentioned, for example. It is the ingredient on which polyhydric alcohol acts as a moisturizer and a softening agent of the skin in this water cosmetic for the skins. For example, ethylene glycol, propylene glycol, trimethylene glycol, 1, 2-butylen glycol, 1, 3-butylen glycol, a tetramethylen glycol, 2, 3-butylen glycol, a pentamethylen glycol, 2-butene-1, 4-JIORU, Pass and Dihydric alcohol; glycerin, such as a xylene glycol and an OKUCHIREN glycol, Trihydric alcohol, such as TORIMECHI roll propane, 1 and 2, and 6-HEKISAN triol; PENTA erythritol, Xylitol, sorbitol, mannitol, maltitol, sucrose, Alcohol more than tetravalence, such as Eli Tori Thor, glucose, fructose, starch decomposed materials, and starch part glycolysis reduction alcohol; Diethylene glycol, A dipropylene glycol, triethylene glycol, polypropylene glycol, Polyhydric alcohol condensation things, such as tetraethylene glycol, Gigli serine, polyethylene glycols, bird glycerin, tetra-glycerin, and polyglycerin, are mentioned, and they are glycerin, propylene glycol, and butylene glycol preferably, Or it is sorbitol.

[0008] In the above-mentioned water cosmetic for the skins, the content of polyhydric alcohol is 2 to 30 weight %, and is 2 to 20 weight % preferably. This is because there is a tendency [the effect as a moisturizer or a softening agent of the skin] no longer discovering fully as the content of polyhydric alcohol is under the minimum of the above-mentioned range, and is because a feeling of stickiness is discovered or there is a tendency for **** to fall and for a feeling of use to fall, on the other hand, when the maximum of the above-mentioned range is exceeded.

[0009] Moreover, it is an ingredient for a thickener to raise stability in the above-mentioned water cosmetic for the skins. For example, azuki bean starch, gum arabic, alginic acid potassium, sodium alginate, Alginic acid propylene glycol, alpha-ized corn starch, Ethyl cellulose, OKUTENIRUKOHAKU acid corn starch ester aluminum, Carragheenan, karaya gum, carboxymethyl kitchen liquid, carboxymethylcellulose sodium, Carboxymethyl dextran, carboxymethyl dextran sodium, A carboxyvinyl polymer, agar powder, xanthan gum, the end of cellulose acetate, The end of cellulose, Cyamoposis Gum, a quince seed extract, microcrystalline cellulose, KOMUGI starch, rice starch, sodium chondroitin sulfate, alpha-cyclodextrin, beta-cyclodextrin, stearic acid dextrin, dextran, Dextran sulfate sodium, natural rubber latex, starch beef tallow fatty acid ester, corn starch, TORAGANTO, nitroglycerine cellulose, pulmitic acid dextrin, potatostarch, viscose rayon, hydroxyethyl cellulose, Hydroxyethyl cellulose ethyl ether, hydroxyethyl cellulose JIMECHIRU diaryl ammonium chloride, Chlorination O-[2-hydroxy 3-(trimethylammonio) pro pill] Cyamoposis Gum, Chlorination O-[2-hydroxy 3-(trimethylammonio pro pill)] hydroxyethyl cellulose, Hydroxypropylcellulose, hydroxypropyl starch, hydroxypropyl methylcellulose, Pectin, behenic acid dextrin, polyvinyl alcohol, a poly vinyl pylori boss, Sodium polyacrylate, methyl cellulose, palm-oil-fatty-acid dextrin, Lauric acid dextrin, sulfuric acid cell ROSUJI beef tallow alkyldimethyl ammonium, Water-sol. ole polymers, such as locust bean gum and rosin; the Mon Moliro night system powder, such as a vent night and magnesium aluminum silicate, is mentioned, and they are a carboxyvinyl polymer, carboxymethylcellulose sodium, or a vent night preferably.

[0010] In the above-mentioned water cosmetic for the skins, the content of a thickener is 0.05 to 15 weight %, and is 0.05 to 10 weight % preferably. This is because there is a tendency for storage stability to fall that the content of a thickener is under the minimum of the above-mentioned range, and is because there is a tendency for **** to fall and for a feeling of use to fall, on the other hand when the maximum of the above-mentioned range is exceeded.

[0011] In addition to this in the above-mentioned water cosmetic for the skins, as arbitrary ingredients, avocado oil, Almond oil, ORIBU oil, cacao oil, sesame oil, wheat germ oil, safflower oil, Xia fat, turtle oil, camellia oil, par chic oil, castor oil, grape seed oil, Maca DEMIA nuts oil, mink oil, egg yolk oil, Japan wax, palm oil, rose hips oil, Oil and fats, such as hydrogenated oil; Orange Rafi oil, a carnauba wax, a candelilla low, Lows, such as spermaceti wax, jojoba oil, bleached montan wax, yellow bees wax, and lanolin; A liquid paraffin, Vaseline, paraffine, Ceret Singh, microcrystalline wax, Hydrocarbon, such as squalane; Lauric acid, myristic acid, pulmitic acid, Stearic acid, oleic acid, behenic acid, undecylenic acid, hydroxy stearic acid, Higher fatty acid, such as linoleic acid and lanolin fatty acid; Ethanol, iso propanol, Lauryl alcohol, SETANORU, cetostearyl alcohol, stearyl alcohol, Alcohol, such as oleyl alcohol, behenyl alcohol, lanolin alcohol, hydrogenation lanolin alcohol, HEKISHIRUDEKANORU, OKUCHIRUDODEKANORU, and isostearyl alcohol; cholesterol, dihydrocholesterol, Sterol, such as FITO sterol; Ethyl linoleate, a myristic acid iso pro pill, A lanolin fatty acid iso pro pill, lauric acid HEKISHIRU, a myristic acid millimeter still, Myristic acid Sept Iles, myristic acid octyldodecyl, oleic acid DESHIRU, Oleic acid octyldodecyl,

JIMECHIRU octanoic acid hexyldecyl, Octanoic acid isocetyl, cetyl palmitate, lactic acid Sept Iles, a lactic acid millimeter still, Fatty acid ester, such as malate diisostearyl; dl-pylori boss carboxylic acid sodium liquid, Moisturizers, such as sodium lactate liquid and hyaluronate sodium; Higher-fatty-acid soap, ANION surface-active agent; KACHION surface-active agents, such as higher alcohol sulfate ester salt, N-ASHIRU glutamic-acid salt, and phosphate; A solid in type, Ampholytic surface active agents, such as an amino acid type, an imidazoline type, and lecithin; A polyhydric alcohol ester type, surface-active agent [, such as non-ion surface-active agents, such as an ethylene oxide condensation type,]; -- colored pigment [, such as red ochre]; -- paints; octamethylcyclotetrasiloxane, such as constitution paints, such as white pigment; mica, such as a zinc oxide, titanium oxide, and a zirconium dioxide, talc, and an auction site, and decamethyl cyclopentasiloxane, A dimethylsiloxane MECHIRU (polyoxy ethylene) Shiroki San copolymer, A dimethylsiloxane ethyl (polyoxy ethylene) Shiroki San MECHIRU (polyoxypropylene) Shiroki San copolymer, A dimethylsiloxane MECHIRU (polyoxypropylene) Shiroki San copolymer, Dimethylpolysiloxane, methylphenyl policy ROKISAN, poly ether denaturation silicone oil, Silicone oil, such as amino denaturation silicone oil; Ethylene glycol monomethyl ether, Ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, Ethylene glycol monophenyl ether, ethylene glycol MONOHEKI Silje Tell, Ethylene glycol mono-2-methylhexyl ether, ethylene glycol iso amyl ether, Ethylene glycol benzyl ether, ethylene glycol isopropyl-ether, Ether of dihydric alcohol, such as ethylene glycol dimethyl ether, ethylene glycol diethylether, and ethylene glycol dibutyl ether; ethylene glycol monoethyl ether acetate, ethylene glycol monoethyl ether acetate, Ethylene glycol monoethyl ether acetate, ethylene glycol monobutyl ether acetate, Ethylene glycol monophenyl ether acetate, ethylenglycol disuccinate, Diethylene FURIKORUMONO ethyl ether acetate, diethylene-glycol-monomethyl-ether acetate, Propylene-glycol-monomethyl-ether acetate, propylene glycol monoethyl ether acetate, Glycerin monoalkyl ether, such as ether ester; batyl alcohol of dihydric alcohol, such as propylene glycol monopropylether acetate and propylene glycol monophenyl ether acetate; Placental extract, arbutin, GURUTA thione, Whitening agents, such as a creeping saxifrage extract; Cell *** agent; nicotinic acid BENJIRU ester, such as royal jelly, sensitization matter, and a cholesterol derivative, Nicotinic acid beta-butoxy ethyl ester, capsaicin, zingerone, All [can TARISU tincture, IKUTA mall, caffeine, tannic acid, and dl-BORUNE], nicotinic acid dl-alpha-tocopherol, INOSHITORUHEKISANIKOCHINATO, a SHIKURANDE rate, thinner lysine, tolazoline, Blood circulation catalysts, such as acetylcholine, cepharanthin, and gamma-Oriza NORU; A zinc oxide, Skin astringents, such as tannic acid; Antiseborrheic drug; vitamin A oil, such as sulfur and Jiang Thor, Vitamin A, such as retinol, retinol acetate, and pulmitic acid retinol; Riboflavin, Vitamin B2, such as butanoic acid riboflavin and a hula bottle adenine nucleoside; Pyridoxine chloride salt, Vitamin B6, such as pyridoxine dioctanoate; L-ascorbic acid, L-ascorbic acid dipalmitate ester, L-ascorbic acid-2-sodium sulfate, Vitamin C, such as dl-alpha-tocopherol L-ascorbic acid phosphorus acid JIESUTERU potassium; Calcium pantothenate, Pantothenic acid, such as D-punt TENIRU alcohol, punt TENIRU ethyl ether, and ASECHIRUPANTOTENIRU ethyl ether; ERUGOKARUSHI phenol, Vitamin D, such as a KOREKARUSHIFE roll; vitamin-E; vitamin P, such as nicotinic acid; dl-alpha-tocopherol, such as nicotinic acid, nicotinic acid Ben Jill, and nicotinic acid amide, arginine, aspartic acid, cystine, SHISUTEIN, methionine, serine, leucine, amino acid [, such as tryptophan,]; -- nucleic acid [, such as a deoxyribonucleic acid,]; -- hormone [, such as all / S TORAJI / and all / S TORAJI /,]; -- you may contain a dry-rough-skin improvement agent, an ultraviolet ray absorber, antibacteria medicine, a pit inflammation agent, an antiseptic, spice, the antioxidant, the pH regulator, and the propellant further.

[0012] In addition to this, the above-mentioned water cosmetic for the skins polyhydric alcohol, a thickener, and arbitrary ingredients A gay mixer, It can prepare by mixing underwater with mixed equipment, such as a paddle mixer, the Henschel mixer, gay DISUPA, a colloid mill, a propeller churning machine, a homogenizer, an in-line type continuation emulsion machine, an ultrasonic emulsion machine, and a vacuum type kneading machine. As this water, refining water, such as ion exchange water and distilled water, can be used. In this water cosmetic for the skins, although the content of water is not limited, it is desirable in this cosmetic that it is 10 to 97weight % of within the limits, and it is still more desirable that it is 15 to 97weight % of within the limits.

[0013] the skin of this invention -- city water -- the skin on which a sex cosmetic contains the above polyhydric alcohol and thickeners -- city water -- it is characterized by adding the water emulsion which contains a bridge construction silicone particle with an average particle diameter of 0.05-100 micrometers in an oil drop with an average particle diameter of 0.1-500 micrometers in a sex cosmetic. In addition, the particle diameter of bridge construction silicone particles is smaller than the particle diameter of an oil drop. In this water emulsion, silicone oil or organic oil is illustrated as oil.

[0014] As this silicone oil, what has molecular structure, such as the shape of a straight chain, the shape of a straight chain which have branching in part, a ring, and branched-chain, is desirable, and what has the shape of a straight chain or annular molecular structure especially is desirable. What has compatibility in the bridge construction silicone constituent which forms bridge construction silicone particles as this silicone oil is desirable.

Moreover, as for this silicone oil, what does not participate in the crosslinking reaction at the time of forming bridge construction silicone particles is desirable. When this bridge construction silicone particle constructs a bridge by a hydrosilyl-ized reaction the inside of a molecule -- an alkenyl group and Kay -- base -- it does not have an atomic bond hydrogen atom -- For example, molecule chain both-ends trimethylsiloxy machine blockade dimethylpolysiloxane, Molecule chain both-ends trimethylsiloxy machine blockade methylphenyl policy ROKISAN, A molecule chain both-ends trimethylsiloxy machine blockade dimethylsiloxy methylphenyl SHIROKISAN copolymer, A molecule chain both-ends trimethylsiloxy machine blockade dimethylsiloxy MECHIRU (3, 3, and 3-bird fluoropropyl) Shiroki San copolymer, When annular dimethylsiloxy and annular methylphenyl SHIROKISAN is mentioned and this bridge construction silicone particle constructs a bridge by a condensation reaction the inside of a molecule -- the Syros Knoll machine and Kay -- base -- an atomic bond hydrogen atom and Kay -- base -- it does not have an atomic bond hydrolysis nature machine -- Besides the same silicone oil as the above, they are molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylpolysiloxane and a molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylsiloxy methylvinyl SHIROKISAN copolymer, for example, They are molecule chain both-ends trimethylsiloxy machine blockade methylvinyl policy ROKISAN and annular methylvinyl SHIROKISAN. As for the viscosity of such silicone oil, in 25 degrees C, it is desirable that it is within the limits of 1 - 100,000,000 mPa·s, and it is especially desirable in 25 degrees C that it is within the limits of 2 - 10,000,000 mPa·s.

[0015] Moreover, it is desirable that they are the fatty series system oil which has molecular structure, such as the shape of a straight chain, the shape of a straight chain which have branching in part, a ring, and branched-chain, or aromatic series system oil as organic oil, and it is desirable that it is the organic oil which has the shape of straight chain or annular molecular structure especially. Moreover, this organic oil may have volatility. As for such organic oil, what does not participate in the crosslinking reaction at the time of forming bridge construction silicone particles is desirable. When this bridge construction silicone particle constructs a bridge by a hydrosilyl-ized reaction Do not have an alkenyl group in a molecule and For example, HEKISAN, Cheb Than, Aromatic series, such as Alekan; toluene, such as paraffine and iso paraffine, and xylene; A carbon tetrachloride, chlorination thing [, such as chlorination methylene,]; -- ketone [, such as methyl isobutyl ketone,]; -- alcohols [, such as UNDESHIRU alcohol]; -- ether [, such as dibutyl ether,]; -- iso pro pill laurate -- It is desirable that they are Alekan which ester, such as isopropyl palmitate, is mentioned and have volatility especially. As for the viscosity of such organic oil, in 25 degrees C, it is desirable that it is within the limits of 1 - 100,000,000 mPa·s, and it is especially desirable in 25 degrees C that it is within the limits of 2 - 10,000,000 mPa·s.

[0016] Moreover, such silicone oil or organic oil may use each together, and may be dissolving other ingredients. As other ingredients which can dissolve into this silicone oil or organic oil It will not be limited especially if meltable in silicone oil or organic oil. With room temperature, at solid-like silicone resin and room temperature For example, organic silicon compound; carnauba waxes, such as rubber-like silicone oil, Lows, such as a candelilla low, Japan wax, spermaceti wax, montan wax, yellow bees wax, and lanolin; A liquid paraffin, Iso paraffine, lauric acid HEKISHIRU, a myristic acid iso pro pill, A myristic acid millimeter still, myristic acid Sept Iles, myristic acid 2-octylidodecyl, A pulmitic acid iso pro pill, pulmitic acid 2-octylidodecyl, a lactic acid millimeter still, Lactic acid Se, Iles, lactic acid lanolin, stearyl alcohol, cetostearyl alcohol, Oleyl alcohol, avocado oil, almond oil, olive oil, cacao seed oil, Glycol ester oil, such as oil-and-fats; polypropylene glycol mono-olate, such as jojoba oil, sesame oil, mink oil, cottonseed cake oil, palm oil, egg yolk oil, and ****, and neopentyl glycol 2-ethylhexanoate; isostearic acid triglyceride, Polyhydric alcohol ester oil, such as coconut oil fatty acid triglyceride; polyoxyalkylene ethereal oil, such as polyoxy ethylene lauryl ether and polyoxypropylene SECHIRU ether, is mentioned.

[0017] In the above-mentioned water emulsion, the average particle diameter of the oil drop distributed underwater needs to be within the limits of 0.1-500 micrometers, and is within the limits of 0.5-200 micrometers preferably. This is because it is difficult for the average particle diameter of an oil drop to prepare the water emulsion which is under the minimum of the above-mentioned range, and, on the other hand, the water emulsion which surpasses the maximum of the above-mentioned range is because the stability of this very thing is inferior.

[0018] Moreover, in the above-mentioned water emulsion, the average particle diameter of bridge construction silicone particles needs to be within the limits of 0.05-100 micrometers, and is within the limits of 0.1-50 micrometers preferably. Moreover, when it is within the limits whose average particle diameter of an oil drop is 0.2-500 micrometers, as for the average particle diameter of bridge construction silicone particles, it is desirable that it is within the limits of 0.1-50 micrometers. [this has the tendency in which it is difficult for average particle diameter to prepare the bridge construction silicone particles which are under the minimums of the above-mentioned range, and / the bridge construction silicone particles which surpass the maximum of the above-mentioned range] on the other hand the skin -- city water -- reducing the stability of a sex cosmetic -- moreover, the skin -- city water -- the skin which does not distribute uniformly in a sex cosmetic or is obtained -- city water -- it is because there is a tendency for the feeling of use of a sex cosmetic to fall.

[0019] As a method of preparing the above-mentioned water emulsion For example, the bridge construction nature silicone constituent containing the silicone oil or the organic oil of un-constructing-bridge nature (however, [the content of the silicone oil of un-constructing-bridge nature, or organic oil]) It is the quantity which has a bridge construction thing [good] for a bridge construction nature silicone constituent for the quantity which can hold the silicone oil or the organic oil of this un-constructing-bridge nature. The method of distributing underwater and carrying out crosslinking reaction is desirable. [the bridge construction nature silicone constituent which can be used by this method] It is desirable that it is the constituent which forms the bridge construction thing of the shape of an elastomer, such as the shape of rubber and the shape of gel, by crosslinking reaction. For example, a hydrosilyl-ized crosslinking reaction type thing, a condensation crosslinking reaction type thing, an organic peroxide crosslinking reaction type thing, and a high energy line crosslinking reaction type thing are mentioned, and they are a desirable hydrosilyl-ized crosslinking reaction type thing or a condensation crosslinking reaction type thing.

[0020] As this hydrosilyl-ized reaction bridge construction nature silicone constituent for example, the inside of the organopolysiloxane which has at least two alkenyl groups in 1 molecule, and 1 molecule -- at least two Kay -- base -- the organopolysiloxane which has an atomic bond hydrogen atom, and the constituent which consists of a catalyst for a hydrosilyl-ized reaction at least are mentioned. In this method, you may distribute underwater the bridge construction nature silicone constituent which blended the above-mentioned catalyst for a hydrosilyl-ized reaction beforehand. Moreover, after making the bridge construction nature silicone constituent except this catalyst distribute underwater, the bridge construction nature silicone constituent which blended the catalyst for a hydrosilyl-ized reaction underwater can also be prepared by adding this catalyst underwater. Under the present circumstances, it is desirable to use the water dispersion which distributed the catalyst for a hydrosilyl-ized reaction in average particle diameter of 1 micrometer or less.

[0021] moreover, as a condensation reaction bridge construction nature silicone constituent for example, the inside of 1 molecule -- at least two Kay -- base -- the hydroxyl group combined with an atom, or an alkoxy group -- The organopolysiloxane which has hydrolysis nature machines, such as an OKISHIMU machine, an acetoxy machine, and aminoxy, the inside of 1 molecule -- at least three Kay -- base -- the constituent which consists of catalysts for condensation reactions, such as the Silang system crosslinking agent which has hydrolysis nature machines combined with an atom, such as an alkoxy group, an OKISHIMU machine, an acetoxy machine, and aminoxy, and an organic tin compound, and an organic titanium compound, at least is mentioned.

[0022] Moreover, you may blend a bulking agent with the above-mentioned bridge construction nature silicone constituent as arbitrary ingredients for adjusting the mobility or raising the machine intensity of the bridge construction silicone particles obtained. As this bulking agent, precipitation silica, fumed silica, calcination silica, Reinforcement bulking agents, such as fumed titanium oxide; Pulverization quartz, diatomaceous earth, aluminosilicate, Non-reinforcing bulking agents, such as iron oxide, a zinc oxide, and calcium carbonate, and the bulking agent which processes these surfaces with organic silicon compounds, such as hexamethyl SHIRAZAN, bird MECHIRUKURORUSHIRAN, poly dimethylsiloxane, and poly methylhydrogensiloxane, are illustrated.

[0023] [the content of the silicone oil of the un-constructing-bridge nature in the above-mentioned bridge construction nature silicone constituent, or organic oil] It is required to be the quantity which has a bridge construction thing [good] for this bridge construction nature silicone constituent for the quantity of the silicone oil of un-constructing-bridge nature or organic oil which can contain the quantity which can hold the silicone oil or the organic oil of un-constructing-bridge nature in that bridge construction thing, i.e., that bridge construction thing. [quantity] although this quantity that can be held changes with combination with the silicone oil of a bridge construction nature silicone constituent and un-constructing-bridge nature, or organic oil Generally it is desirable that it is within the limits of a 200 ~ 5,000 weight part about the silicone oil or the organic oil of un-constructing-bridge nature to a bridge construction nature silicone constituent 100 weight part, and it is desirable especially that it is within the limits of a 250 ~ 2,000 weight part.

[0024] Moreover, other ingredients may be beforehand dissolved in the silicone oil or the organic oil of un-constructing-bridge nature in this bridge construction nature silicone constituent. What was illustrated above is mentioned as this ingredient. [content] although the content of other ingredients which can be blended into a bridge construction nature silicone constituent changes with combination with the silicone oil of a bridge construction nature silicone constituent and un-constructing-bridge nature, or organic oil Generally, although other ingredients can be blended within the limits of a 0.001 ~ 200 weight part to a bridge construction nature silicone constituent 100 weight part, it is within the limits of 0.1 ~ 50 weight part preferably.

[0025] After making the bridge construction nature silicone constituent containing the silicone oil or the organic oil of such un-constructing-bridge nature distribute underwater, crosslinking reaction of this is carried out. [this bridge construction nature silicone constituent] as a method of distributing underwater The method of distributing this constituent underwater with mixed equipment, such as a gay mixer, a paddle mixer, the Henschel

mixer, gay DISUPA, a colloid mill, a propeller churning machine, a homogenizer, an in-line type continuation emulsion machine, an ultrasonic emulsion machine, and a vacuum type kneading machine, is illustrated.

[0026] Moreover, in this method, although the amount of the water used is not limited, it is desirable that it is within the limits of 5 to 99 weight % of the whole emulsion, and it is desirable especially that it is 10 to 80 weight % of within the limits.

[0027] Furthermore, in order to make a bridge construction nature silicone constituent distribute underwater with sufficient stability, it is desirable to use a NONION system surface-active agent, a KACHION system surface-active agent, or an ANION system surface-active agent, and it is desirable to use NONION system surface activity especially. As this surface-active agent, they are illustrated by a silicone system and the organic system and [this amount used] It is desirable that it is within the limits of 0.1 – 20 weight part to the bridge construction nature silicone constituent 100 weight part containing the silicone oil or the organic oil of unconstructing-bridge nature, and it is desirable especially that it is within the limits of 0.5 – 10 weight part.

[0028] Thus, crosslinking reaction of the bridge construction nature silicone constituent currently distributed underwater can be carried out by neglecting the emulsion of the prepared bridge construction nature silicone constituent at heating or room temperature, or irradiating a high energy line.

[0029] In addition, [after distributing bridge construction silicone particles in silicone oil or organic oil, can prepare the emulsion of silicone oil or organic oil also by emulsion-izing, but] The drop of bridge construction silicone particles, silicone oil, or organic oil distributes independently, respectively. It is difficult to prepare the emulsion of silicone oil which contains bridge construction silicone particles in the drop of the silicone oil currently distributed underwater or organic oil, or organic oil. Even if it uses the emulsion of such silicone oil or organic oil as cosmetic materials, it is very difficult to be unable to make it distribute uniformly and to distribute uniformly silicone oil or organic oil, and bridge construction silicone particles in a cosmetic.

[0030] the skin which contains polyhydric alcohol and a thickener in this invention -- city water -- adding the above-mentioned water emulsion to a sex cosmetic -- the skin -- city water -- a sex cosmetic can be prepared and the same mixed equipment as the above can be used in that case. Moreover, although the amount of addition of the water emulsion added in that case is not limited, preferably It is desirable that it is the quantity within the limits from which the solid content in said emulsion becomes 0.2 to 75 weight % into the water cosmetic for the skins obtained, and it is still more desirable that it is the quantity of within the limits used as 0.5 to 70 weight %. This is because there is a tendency for a feeling of use to fall that the amount of addition of water emulsion is under the minimum of the above-mentioned range, and is because there is a tendency for the effect as a cosmetic to be lost, on the other hand when the maximum of the above-mentioned range is exceeded.

[0031]

[Example] A work example explains the water cosmetic for the skins of this invention in detail. In addition, the cosmetics materials used by the work example and the comparative example were prepared as follows. The median size (particle diameter equivalent to 50% of cumulative distribution) measured with the laser diffraction type article-size-distribution measuring device (Horiba 500 [LA-]) showed the average particle diameter of the oil drop in these cosmetics materials. Moreover, after the average particle diameter of the bridge construction silicone particles in these cosmetics materials air-dried these on the glass board, it observed the bridge construction silicone particles collected under the substance microscope by the electron microscope, and showed them by the average value of the particle diameter of ten bridge construction silicone particles. These measured value was shown in Table 1.

[0032] [Example 1 of reference] The molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylpolysiloxane (content of vinyl group = 0.5 weight %) 18.8 weight part of viscosity 400 mPa-s, The molecule chain both-ends trimethylsiloxy machine blockade dimethylsiloxane methylhydrogensiloxane copolymer (Kay base content [of an atomic bond hydrogen atom] = 0.5 weight %) 1.2 weight part of viscosity 30 mPa-s, And after mixing the molecule chain both-ends trimethylsiloxy machine blockade dimethylpolysiloxane 80 weight part of viscosity 20 mPa-s, a 3 weight %-polyoxy ethylene NONIRU phenyl ether (HLB=13.1) solution 53 weight part is added, and it is a colloid mill. It emulsified, the pure water 50 weight part was added and diluted further, and the basin system emulsion of the bridge construction nature silicone constituent was prepared.

[0033] Basin system emulsion of the platinum system catalyst which makes this emulsion 1 of platinum, and 3-JIBINIRU tetramethyl disiloxane complex with the main ingredients (average particle diameter of a platinum system catalyst = 0.05 micrometer) Platinum metal content = receive the weight of molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylpolysiloxane in 0.05 weight %. The quantity from which platinum metal is set to 20 ppm, in addition after mixing, it was neglected for one day at room temperature, and the basin system emulsion of the silicone oil which has bridge construction silicone particles in a silicone oil drop was prepared.

[0034] [Example 2 of reference] Set for the example 1 of reference. It is made to be the same as that of the

example 1 of reference except having used the molecule chain both-ends trimethylsiloxy machine blockade dimethylpolysiloxane of viscosity 6 mPa-s instead of the molecule chain both-ends trimethylsiloxy machine blockade dimethylpolysiloxane of viscosity 20 mPa-s. The basin system emulsion of the silicone oil which has bridge construction silicone particles in a silicone oil drop was prepared.

[0035] [Example 3 of reference] Set for the example 1 of reference. It is made to be the same as that of the example 1 of reference except having used the decamethyl cyclopentasiloxane of viscosity 4 mPa-s instead of the molecule chain both-ends trimethylsiloxy machine blockade dimethylpolysiloxane of viscosity 20 mPa-s. The basin system emulsion of the silicone oil which has bridge construction silicone particles in a silicone oil drop was prepared.

[0036] [Example 4 of reference] The molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylpolysiloxane (content of vinyl group = 0.5 weight %) 37.6 weight part of viscosity 400 mPa-s, The molecule chain both-ends trimethylsiloxy machine blockade dimethylsiloxane methylhydrogensiloxane copolymer (Kay base content [of an atomic bond hydrogen atom] = 0.5 weight %) 2.4 weight part of viscosity 30 mPa-s, And after mixing the molecule chain both-ends trimethylsiloxy machine blockade dimethylpolysiloxane 60 weight part of viscosity 10 mPa-s, a 3 weight %-polyoxy ethylene NONIRU phenyl ether (HLB=13.1) solution 53 weight part is added, and it is a colloid mill. It emulsified, the pure water 50 weight part was added and diluted further, and the basin system emulsion of the bridge construction nature silicone constituent was prepared.

[0037] Basin system emulsion of the platinum system catalyst which makes this emulsion 1 of platinum, and 3-JIBINIRU tetramethyl disiloxane complex with the main ingredients (average particle diameter of a platinum system catalyst = 0.05 micrometer) Platinum metal content = receive the weight of molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylpolysiloxane in 0.05 weight %. The quantity from which platinum metal is set to 20 ppm, in addition after mixing, it was neglected for one day at room temperature, and the basin system emulsion of the silicone oil which has bridge construction silicone particles in a silicone oil drop was prepared.

[0038] [Example 5 of reference] The molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylpolysiloxane (content of vinyl group = 0.5 weight %) 94 weight part of viscosity 400 mPa-s, And after mixing the molecule chain both-ends trimethylsiloxy machine blockade dimethylsiloxane methylhydrogensiloxane copolymer (Kay base content [of an atomic bond hydrogen atom] = 0.5 weight %) 6 weight part of viscosity 30 mPa-s, A 3 weight %-polyoxy ethylene NONIRU phenyl ether (HLB=13.1) solution 53 weight part is added, and it is a colloid mill. It emulsified, the pure water 50 weight part was added and diluted further, and the basin system emulsion of the bridge construction nature silicone constituent was prepared.

[0039] Basin system emulsion of the platinum system catalyst which makes this emulsion 1 of platinum, and 3-JIBINIRU tetramethyl disiloxane complex with the main ingredients (average particle diameter of a platinum system catalyst = 0.05 micrometer) Platinum metal content = receive the weight of molecule chain both-ends JIMECHI kana nil siloxy machine blockade dimethylpolysiloxane in 0.05 weight %. The quantity from which platinum metal is set to 20 ppm, in addition after mixing, it was neglected for one day at room temperature, and basin system SASUPENJON of bridge construction silicone particles was prepared.

[0040] [Example 6 of reference] It is a colloid mill about the molecule chain both-ends trimethylsiloxy machine blockade dimethylpolysiloxane 100 weight part of viscosity 20 mPa-s, and a 3 weight %-polyoxy ethylene NONIRU phenyl ether (HLB=13.1) solution 53 weight part. After emulsifying, the pure water 50 weight part was added and diluted, and the basin system emulsion of silicone oil was prepared.

[0041]

[Table 1]

 ID=000002

[0042] [Work examples 1-3 and comparative examples 1-4] It is gay DISUPA about glycerin, 1.0 weight %-carboxyvinyl polymer solution, refining water, paraben, an antioxidant, and spice. after mixing, 50%-sodium hydroxide solution was added, and pH was prepared so that it might be set to 6.5 -- subsequently, ethanol and cosmetics materials were mixed and six sorts of face toilet was prepared. Composition (weight part) of these face toilet was shown in Table 2.

[0043]

[Table 2]

区分 組成	実施例			比較例			
	1	2	3	1	2	3	4
グリセリン	8	8	8	8	8	8	8
加水分散性界面活性剤	0.2	0.2	0.2	0.2	0.2	0.2	—
精製水	68.8	68.8	68.8	68.8	68.8	68.8	69
エタノール	3	3	3	3	3	3	3
化粧品原料(i)	20	—	—	—	—	—	20
化粧品原料(ii)	—	20	—	—	—	—	—
化粧品原料(iii)	—	—	20	—	—	—	—
化粧品原料(v)	—	—	—	20	4	—	—
化粧品原料(vi)	—	—	—	—	16	—	—
NaOH	適量	適量	適量	適量	適量	適量	適量
パラベン	適量	適量	適量	適量	適量	適量	適量
酸化防止剤	適量	適量	適量	適量	適量	適量	適量
香料	適量	適量	適量	適量	適量	適量	適量

[0044] Sensory analysis described at the time of use of these face toilet attach and according to 20 panelists about admiration was done, and the number judged that has no feeling of stickiness estimated as 0 – 4 person:x, 5 – 9 person:*, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 3. Moreover, sensory analysis by 20 panelists was done about the extended lightness at the time of use of these face toilet, and the number judged as **** being light estimated as 0 – 4 person:x, 5 – 9 person:*, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 3. Moreover, sensory analysis after use of these face toilet according to 20 panelists about admiration in the least was done, and the number judged as there being admiration in the least estimated as 0 – 4 person:x, 5 – 9 person:*, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 3. Moreover, sensory analysis after use of these face toilet according to 20 panelists about admiration gently was done, and the number judged as there being admiration gently estimated as 0 – 4 person:x, 5 – 9 person:*, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 3. Moreover, sensory analysis by 20 panelists was done about the feeling of a finger slide to the skin after use of these face toilet, and the number a feeling of a finger slide judged that is good estimated as 0 – 4 person:x, 5 – 9 person:*, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 3. Furthermore, about the storage stability of these face toilet, it stored at 25 degrees C by the state where it sealed into the clear glass bottle, and the appearance six months immediately after manufacture of these face toilet and after one month and three months was observed and evaluated. These results were shown in Table 3.

[0045]

[Table 3]

特性 区分	実施例			比較例			
	1	2	3	1	2	3	4
<使用時>							
べたつき感 のびの軽さ	◎ ◎	◎ ◎	◎ ◎	◎ ○	×	×	◎ △
<使用後>							
さっぱり感 しっとり感 指すべり感	○ ◎ ◎	◎ ○ ◎	◎ △ ○	○ △ ○	×	×	○ ◎ ◎
<貯蔵安定性>							
製造直後 一ヵ月後 三ヵ月後 六ヵ月後	均一 均一 均一 均一	均一 均一 均一 均一	均一 均一 均一 均一	均一 均一 均一 均一	均一 均一 均一 均一	均一 均一 均一 均一	均一 分離 分離 分離

[0046] [A work example 4 and comparative examples 5 and 6] After mixing 1, 3-propylene glycol, butylene glycol, a vent night, refining water, paraben, an antioxidant, and spice by gay DISUPA, subsequently, cosmetics materials were mixed and three sorts of face toilet was prepared. Composition (weight part) of these face toilet was shown in Table 4.

[0047]

[Table 4]

区分 組成	実施例			比較例		
	4	5	6	4	5	5
1,3-アロビーリングリコール	5	5	5			
アセチルグリコール	5	5	5			
ベントゾイ	0.5	0.5	0.02			
精製水	6.5	8.5	6.5			
化粧品原料(i)	2.0	—	2.0			
パラベン	適量	適量	適量			
酸化防止剤	適量	適量	適量			
香料	適量	適量	適量			

[0048] Sensory analysis described at the time of use of these face toilet attach and according to 20 panelists about admiration was done, and the number judged that has no feeling of stickiness estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 5. Moreover, sensory analysis by 20 panelists was done about the extended lightness at the time of use of these face toilet, and the number judged as **** being light estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 5. Moreover, sensory analysis after use of these face toilet according to 20 panelists about admiration in the least was done, and the number judged as there being admiration in the least estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 5. Moreover, sensory analysis after use of these face toilet according to 20 panelists about admiration gently was done, and the number judged as there being admiration gently estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 5. Moreover, sensory analysis by 20 panelists was done about the feeling of a finger slide to the skin after use of these face toilet, and the number a feeling of a finger slide judged that is good estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 5. Furthermore, about the storage stability of these face toilet, it stored at 25 degrees C by the state where it sealed into the clear glass bottle, and the appearance six months immediately after manufacture of these face toilet and after one month and three months was observed and evaluated. These results were shown in Table 5.

[0049]

[Table 5]

区分 特性	実施例			比較例		
	4	5	6	4	5	6
<使用時>						
べたつき感 の軽さ	◎ ◎	◎ ○	◎ △			
<使用後>						
さっぱり感	○	×	×			
しっとり感	◎	△	△			
指すべり感	◎	×	×			
<貯蔵安定性>						
製造直後	均一	均一	均一	均一	均一	均一
一ヶ月後	均一	均一	均一	均一	均一	均一
三ヶ月後	均一	均一	均一	均一	均一	分離
六ヶ月後	均一	均一	均一	均一	均一	分離

[0050] [Work examples 5–7 and comparative examples 7 and 8] Stearic acid, mono-stearic acid propylene glycol, After carrying out fusion mixture of cetostearyl alcohol, liquefied lanolin, a liquid paraffin, and the mistake CHIRIN acid iso pro pill at 70–80 degrees C, siliconization titanium oxide, siliconization talc, and siliconization iron oxide are added, and it mixes, and subsequently they are 3 RORUMIRU. It mixed at 70–80 degrees C, and the paste was prepared.

[0051] Next, it is gay DISUPA, heating carboxymethylcellulose sodium, a vent night, propylene glycol, refining water, triethanol amine, paraben, and an antioxidant at 70–80 degrees C. After emulsifying and mixing and emulsifying further the above-mentioned paste which carried out heating fusion at 70–80 degrees C, it cooled to

40 degrees C, spice and cosmetics materials were mixed, and five sorts of water foundations were prepared. Composition (weight part) of such water foundations was shown in Table 6.

[0052]

[Table 6]

組成 区分	実施例			比較例	
	5	6	7	7	8
シリコーン処理酸化チタン	8	8	8	8	8
シリコーン処理グリセリン	4	4	4	4	4
シリコーン処理酸化鉄	3.4	3.4	3.4	3.4	3.4
ステアリン酸	2.4	2.4	2.4	2.4	2.4
モノステアリン酸プロピレングリコール	2	2	2	2	2
セトステアリルアルコール	0.2	0.2	0.2	0.2	0.2
液状ラリック	2	2	2	2	2
流動ペラジン	3	3	3	3	3
ミズチリン酸グリップロピル	8.5	8.5	8.5	8.5	8.5
カルボキシメチルセルロースナトリウム	0.2	0.2	0.2	0.2	0.2
ベンジルアルコール	0.5	0.5	0.5	0.5	0.5
プロピレングリコール	4	4	4	4	4
精製水	44.1	44.1	44.1	44.1	64.1
化粧品原料(ii)	20	—	—	—	—
化粧品原料(iii)	—	20	—	—	—
化粧品原料(iv)	—	—	20	—	—
化粧品原料(v)	—	—	—	20	—
トリエタノールアミン	適量	適量	適量	適量	適量
パラベン	適量	適量	適量	適量	適量
酸化防止剤	適量	適量	適量	適量	適量
香料	適量	適量	適量	適量	適量

[0053] Sensory analysis described at the time of use of such water foundations attach and according to 20 panelists about admiration was done, and the number judged that has no feeling of stickiness estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 7. Moreover, sensory analysis by 20 panelists was done about the extended lightness at the time of use of such water foundations, and the number judged as **** being light estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 7. Moreover, sensory analysis after use of such water foundations according to 20 panelists about admiration in the least was done, and the number judged as there being admiration in the least estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 7. Moreover, sensory analysis after use of such water foundations according to 20 panelists about admiration gently was done, and the number judged as there being admiration gently estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 7. Moreover, sensory analysis by 20 panelists was done about the feeling of a finger slide to the skin after use of such water foundations, and the number a feeling of a finger slide judged that is good estimated as 0 – 4 person:x, 5 – 9 person:**, 10 – 14 person:O, and 15 – 20 person:O. These results were shown in Table 7. Furthermore, about the storage stability of such water foundations, it stored at 25 degrees C by the state where it sealed into the clear glass bottle, and the appearance six months immediately after manufacture of such water foundations and after one month and three months was observed and evaluated. These results were shown in Table 7.

[0054]

[Table 7]

区分 特性	実施例			比較例	
	5	6	7	7	8
<使用時>					
べたつき感	◎	◎	◎	◎	×
のびの軽さ	◎	◎	◎	×	×
<使用後>					
さらばり感	○	◎	◎	◎	×
しつとり感	◎	○	◎	△	○
指すべり感	◎	◎	◎	○	△
<貯蔵安定性>					
調製直後	均一	均一	均一	均一	均一
一ヶ月後	均一	均一	均一	均一	均一
三ヶ月後	均一	均一	均一	均一	均一
六ヶ月後	均一	均一	均一	均一	均一

[0055]

[Effect of the Invention] At the time of use, the water cosmetic for the skins of this invention has few feeling of stickiness, its **** is light, and admiration and the feature that admiration and a feeling of a finger slide are excellent gently, and storage stability is excellent are in the least after use.

[Translation done.]